

Title (en)

INTERFERENCE CANCELLATION METHOD, SYSTEM, DEVICE AND UE

Title (de)

INTERFERENZUNTERDRÜCKUNGSVERFAHREN, SYSTEM, VORRICHTUNG UND BENUTZERGERÄT

Title (fr)

PROCÉDÉ D'ANNULATION D'INTERFÉRENCE, SYSTÈME, DISPOSITIF ET EU

Publication

EP 2920895 B1 20191106 (EN)

Application

EP 13856002 A 20131115

Priority

- CN 201210468448 A 20121119
- KR 2013010411 W 20131115

Abstract (en)

[origin: WO2014077625A1] Examples of the present application provide an interference cancellation method, system, device and a UE. The interference cancellation method of a communication network including a plurality of User Equipments (UEs) and Base Stations (BSs) includes: acquiring a Signal to Noise Ratio (SNR) and Interference to Noise Ratio (INR) of a downlink signal detected by a first UE and a SNR and INR of a downlink signal detected by a second UE, respectively through a first BS and a second BS; and notifying the first BS and the second BS of a transmission mode of associated UEs, wherein the first UE is located in a cell served by the first BS, and the second UE is located in a cell served by the second BS.

IPC 8 full level

H04B 15/02 (2006.01); **H04B 7/26** (2006.01); **H04B 17/345** (2015.01); **H04L 1/00** (2006.01); **H04W 52/24** (2009.01); **H04W 72/54** (2023.01); **H04W 92/20** (2009.01); **H04W 84/04** (2009.01); **H04W 92/12** (2009.01); **H04W 92/14** (2009.01)

CPC (source: EP US)

H04B 15/02 (2013.01 - EP US); **H04B 17/345** (2013.01 - EP US); **H04L 1/00** (2013.01 - EP US); **H04L 1/0003** (2013.01 - US); **H04W 52/241** (2013.01 - EP US); **H04W 52/244** (2013.01 - US); **H04W 52/243** (2013.01 - EP US); **H04W 84/045** (2013.01 - EP US); **H04W 92/20** (2013.01 - EP US)

Citation (examination)

- US 2010227637 A1 20100909 - KWON TAE SOO [KR], et al
- RENESAS MOBILE EUROPE LTD: "Link level performance of 4x2 MIMO with feedback quantization", 3GPP DRAFT; R1-120364 LINK LEVEL PERFORMANCE OF 4X2 MIMO WITH FEEDBACK QUANTIZATION, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Dresden, Germany; 20120206 - 20120210, 31 January 2012 (2012-01-31), XP050562868

Designated contracting state (EPC)

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DOCDB simple family (application)

KR 2013010411 W 20131115; CN 201210468448 A 20121119; EP 13856002 A 20131115; JP 2015542952 A 20131115; KR 20157016176 A 20131115; US 201314443762 A 20131115